JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 384, NO. 3

AUTHOR INDEX

Afshari, M., (384) C9
Al-Juaid, S.S., (384) 33
Al-Saadoon, A.W., (384) C12
Amri, H., (384) 1
Andreu, P.L., (384) C25
Arif, A.M., (384) C29

Baghurst, D.R., (384) C57
Bartók, G.B., (384) 385
Bartók, M., (384) 385
Behrens, U., (384) 49
Bielmeier, E., (384) 223
Bois, C., (384) C25
Brunet, J.-J., (384) 193
Brunner, H., (384) 223
Byers, P.K., (384) 315

Cabeza, J.A., (384) C25
Cambie, R.C., (384) C6
Carr, N., (384) 315
Carvalho, M.F.N.N., (384) 121
Casas, J.S., (384) 19
Castellano, E.E., (384) 19
Chi, Y., (384) 93
Chipperfield, A.K., (384) C38
Chu, S.-Y., (384) 71
Cox, M.G., (384) 217

Danks, I.A., (384) 139
Dartiguenave, M., (384) 61
Dartiguenave, Y., (384) 61
Deeming, A.J., (384) 181, 347
Deus, N., (384) 155
Dewey, M.A., (384) C29
Dubac, J., (384) 61
Dufour, P., (384) 61

Eaborn, C., (384) 33
Eaton, B.E., (384) 105
Ellert, O.G., (384) 279, 295
Erchak, N.P., (384) 257
Eremenko, I.L., (384) 279, 295

Felix, M.S.B., (384) 181
Fischer, H., (384) 305
Friedrich, H.B., (384) 325
Fröhling, B., (384) C53
Fülöp, V., (384) 41
Funabiki, T., (384) 199

García Tasende, M.S., (384) 19
Gaukhman, A., (384) 257
Geoffroy, G.L., (384) 209
Gladysz, J.A., (384) C29
Göndös, G., (384) 385
Gorecki, T., (384) 165
Green, M., (384) C12
Guhl, D., (384) C43
Gutierrez-Puebla, E., (384) 79

Haggerty, B.S., (384) 209
Hall, C.D., (384) 139
Hamese, A.M., (384) C17
Han, S.-H., (384) 209
Hardcastle, K.I., (384) 181
Hassler, K., (384) 263
Henderson, M.J., (384) C1
Herrmann, R., (384) 155
Higgs, P.I., (384) C6
Hitchcock, P.B., (384) 33
Hoberg, H., (384) C43
Hofmann, J., (384) 305
Housecroft, C.E., (384) C38
Hübener, G., (384) 155
Huttner, G., (384) 93
Hwang, W.A., (384) 133

Ignatovich, L.M., (384) 257
Imhof, W., (384) 93
Isaeva, L.S., (384) 397

Jeannin, Y., (384) C25
Jutzi, P., (384) 33

Kanters, R.P.F., (384) 405
Kapoor, R.N., (384) 41
Kawalek, B., (384) 165
Koralewicz, M., (384) 381
Kovac, S., (384) 147
Kravtsov, D.N., (384) 397
Kuran, W., (384) 13
Kynast, U., (384) C1

Léandri, G., (384) C9
Lickiss, P.D., (384) 33
Liou, W.T., (384) 133
Lobana, T.S., (384) 115
Loebel, J., (384) C49
Loumrhari, H., (384) C61
Lubienski, M.C., (384) 139
Lukevics, E., (384) 257

Makhesha, P.A., (384) 325
Manning, A.R., (384) 217
Marshall, J.E., (384) 347
Mathey, F., (384) 271
Matthews, D.M., (384) C38
Mazanek, E., (384) 13
Mažeika, I., (384) 257
Mbogo, S.A., (384) 115
McCabe, A., (384) 217
McWhinnie, W.R., (384) 115
Mercer, R.J., (384) C12
Milart, P., (384) 165
Mingos, D.M.P., (384) 405, C57
Mitchell, T.N., (384) C53
Möhrke, A., (384) 33
Monge, A., (384) 79
Monti, H., (384) C9
Moss, J.R., (384) 325
Müller, C., (384) 243
Munz, C., (384) 243

Nefedov, S.E., (384) 279, 295
Nicholas, K.M., (384) 361
Nief, F., (384) 271
Novotortsev, V.M., (384) 279, 295
Nuel, D., (384) 181, 347

O'Brien, G., (384) 347
Okuda, J., (384) C21
Ong, C.W., (384) 133
Orazsakhatov, B., (384) 279, 295

Orpen, A.G., (384) C12

Palamidis, E., (384) C49
Pankayatselvan, R., (384) 361
Pannell, K.H., (384) 41
Párkányi, L., (384) 41
Pasynskii, A.A., (384) 279, 295
Peganova, T.A., (384) 397
Perales, A., (384) C61
Perpiñan, M.F., (384) 79
Petrovskii, P.V., (384) 397
Piras, P., (384) C9
Pombeiro, A.J.L., (384) 121
Powell, N.I., (384) 181, 347
Pretorius, G., (384) C17
Pruchnik, F.P., (384) 381

Rachwal, S., (384) 165
Rambaud, M., (384) 1
Rapić, V., (384) 147
Raptis, R., (384) 41
Raston, C.L., (384) C1
Raubenheimer, H.G., (384) C17
Rheingold, A.L., (384) 209
Ricard, L., (384) 271
Riera, V., (384) 339, C25
Ros, J., (384) C61
Rozite, S., (384) 257
Ruiz, J., (384) 339
Ruiz-Valero, C., (384) 79
Rutledge, P.S., (384) C6

Sánchez, A., (384) 19
Sánchez-Peláez, A.E., (384) 79
Schneider, D., (384) C33
Schneider, U., (384) C53
Schumann, H., (384) C49
Scott, F., (384) C17
Seidl, S., (384) 263
Sharpe, N.W., (384) 139
Shestakov, A.F., (384) 279
Skelton, B.W., (384) C1
Sordo, J., (384) 19
Stone, F.G.A., (384) 315
Struchkov, Yu.T., (384) 279, 295
Su, M.-D., (384) 71
Suárez Gimeno, M.I., (384) 19

Taillefer, M., (384) 193
Tatsumi, K., (384) 199
Tocher, D.A., (384) 181
tom Dieck, H., (384) 243
Torres, M.R., (384) C61
Treier, K., (384) 305

Urove, G.A., (384) 105

Villieras, J., (384) 1

Waida-Hermanowicz, K., (384) 381
Welker, M.E., (384) 105
Werner, H., (384) C33
White, A.H., (384) C1
Wiederhold, M., (384) 49
Wiehl, J., (384) 223
Williamson, B.K., (384) 325
Wittmann, G., (384) 385
Woodgate, P.D., (384) C6

Yanovsky, A.I., (384) 279, 295
Yoshida, S., (384) 199

Zimmermann, K.H., (384) C21

JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 384 (1990)

SUBJECT INDEX

Aluminium

Dialkyl-aluminium and -gallium solution stabilized monomeric species, $[MR_2]^*$ (R = 2-C(SiMe$_3$)C$_5$H$_4$N)], formation by reduction of MR_2Cl of; crystal structure of GaR_2Cl (U. Kynast, B.W. Skelton, A.H. White, M.J. Henderson, C.L. Raston), (384) C1

Antimony

Silicon-rich trisilyl-arsanes, -stibanes and -bismuthanes, synthesis, IR and Raman spectra of (K. Hassler, S. Seidl), (384) 263

Arsenic

$[(C_5H_5)_2Lu(\mu\text{-}O(CH_2)_4P(C_6H_5)_2)]_2$ and $[(C_5H_5)_2Lu(OC_4H_8)]_2(\mu\text{-}O)$, formation and crystal structures of (H. Schumann, E. Palamidis, J. Loebel), (384) C49

Silicon-rich trisilyl-arsanes, -stibanes and -bismuthanes, synthesis, IR and Raman spectra of (K. Hassler, S. Seidl), (384) 263

(Thioketene)$Fe_2(CO)_6$, reactions with arsa-chelate ligands of (M. Wiederhold, U. Behrens), (384) 49

Bismuth

Silicon-rich trisilyl-arsanes, -stibanes and -bismuthanes, synthesis, IR and Raman spectra of (K. Hassler, S. Seidl), (384) 263

Boron

$Ru_3(CO)_9B_2H_6$, metal-rich ruthenaborane analogue of pentaborane(9) and model for triruthenium supported unsaturated hydrocarbon (A.K. Chipperfield, C.E. Housecroft, D.M. Matthews), (384) C38

Chromium

(η^6-Arene)tricarbonylchromium(0) complexes of diterpenoids, regioselective hydroxylation of (R.C. Cambie, P.I. Higgs, P.S. Rutledge, P.D. Woodgate), (384) C6

$(C_5H_5)_2Cr(\mu\text{-}OCMe_3)_2$, reactions with chalcogens of; syntheses and molecular structures of $(C_5H_5)_2Cr_2(\mu\text{-}OCMe_3)_2(\mu\text{-}S_4)$ and $(C_5H_5)_2Cr_2(\mu\text{-}OCMe_3)_2(\mu\text{-}Se)$ (S.E. Nefedov, A.A. Pasynskii, I.L. Eremenko, B. Orazsakhatov, V.M. Novotortsev, O.G. Ellert, A.I. Yanovsky, Yu.T. Struchkov), (384) 295

Cyclopentadienyl-alkoxide complexes, $(C_5H_5)_2Cr_2(\mu\text{-}OR)_2[OCCo_3(CO)_9]$ and $(C_5H_5)_2Cr_2(OR)_2(\mu\text{-}OR)_2$ (R = CMe$_3$), synthesis, molecular structure, electronic structure and magnetic properties of (S.E. Nefedov, A.A. Pasynskii, I.L. Eremenko, B. Orazsakhatov, V.M. Novotortsev, O.G. Ellert, A.F. Shestakov, A.I. Yanovsky, Yu.T. Struchkov), (384) 279

Cobalt

Benzophenone synthesis through carbonylation of aryl iodides catalysed by $Fe(CO)_5$–$Co_2(CO)_8$ systems (J.-J. Brunet, M. Taillefer), (384) 193

$[\{Co(CO)_2(\eta^5\text{-}C_5H_4)\}_2CH_2]$, reaction with iodine and mercuric halides of (M.G. Cox, A.R. Manning, A. McCabe), (384) 217

Cyclopentadienyl-alkoxide complexes, $(C_5H_5)_2Cr_2(\mu\text{-}OR)_2[OCCo_3(CO)_9]$ and $(C_5H_5)_2Cr_2(OR)_2(\mu\text{-}OR)_2$ (R = CMe$_3$), synthesis, molecular structure, electronic structure and magnetic properties of (S.E. Nefedov, A.A. Pasynskii, I.L. Eremenko, B. Orazsakhatov, V.M. Novotortsev, O.G. Ellert, A.F. Shestakov, A.I. Yanovsky, Yu.T. Struchkov), (384) 279

(η^4-Diene)$Co(CO)_3BF_4$ substituted complexes, regioselectivity of nucleophilic additions to (R. Pankayatselvan, K.M. Nicholas), (384) 361
Dinuclear (M, M′) complexes with $[CH_2(C_5H_4)_2]^{2-}$ as bridging ligands (D. Schneider, H. Werner), (384) C33
Nitrile formation in hydrocyanation and cyanation by cyanocobaltate, intermediates in (T. Funabiki, K. Tatsumi, S. Yoshida), (384) 199
$[Os_3H(CH{=}CHR)(CO)_{10}]$ (R = OEt, ferrocenyl), molecular structures of and substitution effects at bridging vinyl ligands in (A.J. Deeming, M.S.B. Felix, D. Nuel, N.I. Powell, D.A. Tocher, K.I. Hardcastle), (384) 181

Copper

α-(Methylene)alkanoic esters, formation by substitution of α-(acetoxymethyl)acrylates using Grignard reagents of (H. Amri, M. Rambaud, J. Villieras), (384) 1

Gallium

Dialkyl-aluminium and -gallium solution stabilized monomeric species, $[MR_2]^*$ (R = 2-$C(SiMe_3)C_5H_4N$)], formation by reduction of MR_2Cl of; crystal structure of GaR_2Cl (U. Kynast, B.W. Skelton, A.H. White, M.J. Henderson, C.L. Raston), (384) C1

Germanium

Germoles, synthesis by transmetalation reactions with group 14 metallocyclopentadienes of (P. Dufour, M. Dartiguenave, Y. Dartiguenave, J. Dubac), (384) 61
1-Heteroaryl-silatranes and -germatranes, chemical ionization and fast atom bombardment mass spectra of (S. Rozite, I. Mažeika, A. Gaukhman, N.P. Erchak, L.M. Ignatovich, E. Lukevics), (384) 257
Isomeric $Ph_3E{-}E'Me_3$, (E = Ge, E′ = Si and E = Si, E′ = Ge), structures of (K.H. Pannell, R.N. Kapoor, R. Raptis, L. Párkányi, V. Fülöp), (384) 41
Palladium-catalyzed addition of the tin–germanium bond to allenes, reversal of regioselectivity in (T.N. Mitchell, U. Schneider, B. Fröhling), (384) C53

Gold

Mono- and di-carbido-gold cluster compounds, molecular orbital analysis of (D.M.P. Mingos, R.P.F. Kanters), (384) 405

Ha[illegible]nium

Germoles, synthesis by transmetalation reactions with group 14 metallocyclopentadienes of (P. Dufour, M. Dartiguenave, Y. Dartiguenave, J. Dubac), (384) 61

Iridium

Dinuclear (M, M′) complexes with $[CH_2(C_5H_4)_2]^{2-}$ as bridging ligands (D. Schneider, H. Werner), (384) C33
$Ir_4(CO)_{12}$, method for high-yield synthesis of (F.P. Pruchnik, K. Wajda-Hermanowicz, M. Koralewicz), (384) 381
Transition metal-assisted retro Diels–Alder reaction used in the synthesis of transition metal S_2O complexes (G.A. Urove, M.E. Welker, B.E. Eaton), (384) 105

Iron

Benzophenone synthesis through carbonylation of aryl iodides catalysed by $Fe(CO)_5{-}Co_2(CO)_8$ systems (J.-J. Brunet, M. Taillefer), (384) 193
Cationic isocyanide iron(II) derivatives, reactivity towards nucleophilic agents of (V. Riera, J. Ruiz), (384) 339
$(C_5H_5)_2Cr(\mu\text{-}OCMe_3)_2$, reactions with chalcogens of; syntheses and molecular structures of $(C_5H_5)_2Cr_2(\mu\text{-}OCMe_3)_2(\mu\text{-}S_4)$ and $(C_5H_5)_2Cr_2(\mu\text{-}OCMe_3)_2(\mu\text{-}Se)$ (S.E. Nefedov, A.A. Pasynskii, I.L. Eremenko, B. Orazsakhatov, V.M. Novotortsev, O.G. Ellert, A.I. Yanovsky, Yu.T. Struchkov), (384) 295

Cryptates from cryptands containing a ferrocene unit (C.D. Hall, I.P. Danks, M.C. Lubienski, N.W. Sharpe), (384) 139
Ferrocenyl carbinols, ethers, and ureas, synthesis of (S. Kovac, V. Rapić), (384) 147
Grignard addition and reduction reactions of spiro[5]ferrocenophane-3,1′-cyclohexane-1,5-dione (S. Rachwal, B. Kawalek, T. Gorecki, P. Milart), (384) 165
ω-Halogenoalkyl complexes $[(\eta\text{-}C_5R_5)(CO)_2Fe(CH_2)_nX]$ (R = H, n = 3–10, X = Br, I; R = CH_3, n = 3–5, X = Br, I), (H.B. Friedrich, P.A. Makhesha, J.R. Moss, B.K. Williamson), (384) 325
$[Os_3H(CH{=}CHR)(CO)_{10}]$ (R = OEt, ferrocenyl), molecular structures of and substitution effects at bridging vinyl ligands in (A.J. Deeming, M.S.B. Felix, D. Nuel, N.I. Powell, D.A. Tocher, K.I. Hardcastle), (384) 181
(Thioketene)$Fe_2(CO)_6$, reactions with arsa-chelate ligands of (M. Wiederhold, U. Behrens), (384) 49
Tricarbonyl(cyclohexadiene)iron sterically hindered complexes, preparation, isomer formation and isomerization reactions of (C.W. Ong, W.T. Liou, W.S. Hwang), (384) 133
1,2,3-Trisubstituted chiral ferrocenes, stereoselective synthesis, conformation and complexing behaviour of (N. Deus, G. Hübener, R. Herrmann), (384) 155

Lithium

Dinuclear (M, M′) complexes with $[CH_2(C_5H_4)_2]^{2-}$ as bridging ligands (D. Schneider, H. Werner), (384) C33

Lutetium

$[(C_5H_5)_2Lu(\mu\text{-}O(CH_2)_4P(C_6H_5)_2)]_2$ and $[(C_5H_5)_2Lu(OC_4H_8)]_2(\mu\text{-}O)$, formation and crystal structures of (H. Schumann, E. Palamidis, J. Loebel), (384) C49

Magnesium

Grignard addition and reduction reactions of spiro[5]ferrocenophane-3,1′-cyclohexane-1,5-dione (S. Rachwal, B. Kawalek, T. Gorecki, P. Milart), (384) 165
Magnesium activation of dichlorodi-η_5-cyclopentadienyltitanium in the catalytic hydrogenation of olefins and acetylenes (F. Scott, H.G. Raubenheimer, G. Pretorius, A.M. Hamese), (384) C17
α-(Methylene)alkanoic esters, formation by substitution of α-(acetoxymethyl)acrylates using Grignard reagents of (H. Amri, M. Rambaud, J. Villieras), (384) 1

Manganese

Transition metal-assisted retro Diels–Alder reaction used in the synthesis of transition metal S_2O complexes (G.A. Urove, M.E. Welker, B.E. Eaton), (384) 105

Mercury

Monoorganomercury and diorganothallium derivatives of 2-thiouracil and 2-*S*-methylthiouracil; crystal structure of methylmercury(II)-2-*S*-methylthiouracilate (M.S.G. Tasende, M.I.S. Gimeno, A. Sánchez, J.S. Casas, J. Sordo, E.E. Castellano), (384) 19
2-(2-Pyridyl)phenyl(*p*-ethoxyphenyl)tellurium(II), reaction with mercury(II) chloride of (S.A. Mbogo, W.R. McWhinnie, T.S. Lobana), (384) 115

Metallocenes

Cryptates from cryptands containing a ferrocene unit (C.D. Hall, I.P. Danks, M.C. Lubienski, N.W. Sharpe), (384) 139
Cyclopentadienyl-alkoxide complexes, $(C_5H_5)_2Cr_2(\mu\text{-}OR)_2[OCCo_3(CO)_9]$ and $(C_5H_5)_2Cr_2(OR)_2(\mu\text{-}OR)_2$ (R = CMe_3), synthesis, molecular structure, electronic structure and magnetic properties of (S.E. Nefedov, A.A. Pasynskii, I.L. Eremenko, B. Orazsakhatov, V.M. Novotortsev, O.G. Ellert, A.F. Shestakov, A.I. Yanovsky, Yu.T. Struchkov), (384) 279
Diphosphazirconocene dichloride, $(\eta^5\text{-}C_4Me_4P)_2ZrCl_2$, reactivity of; crystal and molecular structure of $(CO)_3Fe(\mu\text{-}\eta^5,\eta^1\text{-}C_4Me_4P)_2ZrCl_2$ (F. Nief, F. Mathey, L. Ricard), (384) 271
Ferrocenyl carbinols, ethers, and ureas, synthesis of (S. Kovac, V. Rapić), (384) 147
Grignard addition and reduction reactions of spiro[5]ferrocenophane-3,1′-cyclohexane-1,5-dione (S. Rachwal, B. Kawalek, T. Gorecki, P. Milart), (384) 165

$[Os_3H(CH{=}CHR)(CO)_{10}]$ (R = OEt, ferrocenyl), molecular structures of and substitution effects at bridging vinyl ligands in (A.J. Deeming, M.S.B. Felix, D. Nuel, N.I. Powell, D.A. Tocher, K.I. Hardcastle), (384) 181

1,2,3-Trisubstituted chiral ferrocenes, stereoselective synthesis, conformation and complexing behaviour of (N. Deus, G. Hübener, R. Herrmann), (384) 155

Molybdenum

Carbonyl-molybdenum(0) and -tungsten(0) complexes, reactions with uninegative (S, X)-donor ligands (X = S, N, P) of (A.E. Sánchez-Peláez, M.F. Perpiñán, E. Gutierrez-Puebla, A. Monge, C. Ruiz-Valero), (384) 79

Trinuclear metal clusters, formation by reaction of dimolybdenum μ-acetylide anions with electrophilic metal species of; crystal structure of $[Mo_3(\mu_3\text{-}C_2Ph)(CO)_5(\eta\text{-}C_5H_5)_3]$ (A.W. Al-Saadoon, M. Green, R.J. Mercer, A.G. Orpen), (384) C12

Nickel

$(Lig)Ni^0$ systems, reactions with 1,7-octadiene and phenyl isocyanate of (H. Hoberg, D. Guhl), (384) C43

Nickel complexes of cinnamic acid salts, hydrogenation over MRNi catalyst of (M. Bartók, G. Wittmann, G.B. Bartók, G. Göndös), (384) 385

Nickel(0) complex with mono- and di-bormo derivatives of cyclopropane, interaction with formation of η^3-allylnickel complexes of (T.A. Peganova, L.S. Isaeva, P.V. Petrovskii, D.N. Kravtsov), (384) 397

Osmium

Coordinated acetylide and disubstituted alkynes, regiospecific coupling of; X-ray structures of $C_5H_5WOs_2(CO)_7[C(Tol)C(Tol)CC^nBu]$ and $C_5H_5WOs_2(CO)_7[C(CF_3)C(CF_3)CCPh]$ (Y. Chi, G. Huttner, W. Imhof), (384) 93

Triply-bridging C_6H_4 ligand in open triosmium clusters, attachment of; crystal structures and fluxionality of the clusters $[Os_3(PMe)(C_6H_4)(CO)_8L]$ (L = CO or PEt_3) (A.J. Deeming, J.E. Marshall, D. Nuel, G. O'Brien, N.I. Powell), (384) 347

Palladium

Palladacyclopentadienes and platinacyclopentadienes and co-cyclotrimerization of various alkynes (H. tom Dieck, C. Munz, C. Müller), (384) 243

Palladium-catalyzed addition of the tin–germanium bond to allenes, reversal of regioselectivity in (T.N. Mitchell, U. Schneider, B. Fröhling), (384) C53

Phosphorus

Carbonyl-molybdenum(0) and -tungsten(0) complexes, reactions with uninegative (S, X)-donor ligands (X = S, N, P) of (A.E. Sánchez-Peláez, M.F. Perpiñán, E. Gutierrez-Puebla, A. Monge, C. Ruiz-Valero), (384) 79

$[(C_5H_5)_2Lu(\mu\text{-}O(CH_2)_4P(C_6H_5)_2)]_2$ and $[(C_5H_5)_2Lu(OC_4H_8)]_2(\mu\text{-}O)$, formation and crystal structures of (H. Schumann, E. Palamidis, J. Loebel), (384) C49

Dinitrogen, diazenido and derived isocyanide complexes of rhenium with phosphite or phosphonite ligands, syntheses and properties of (M.F.N.N. Carvalho, A.J.L. Pombeiro), (384) 121

Dinuclear (M, M′) complexes with $[CH_2(C_5H_4)_2]^{2-}$ as bridging ligands (D. Schneider, H. Werner), (384) C33

Diphosphazirconocene dichloride, $(\eta^5\text{-}C_4Me_4P)_2ZrCl_2$, reactivity of; crystal and molecular structure of $(CO)_3Fe(\mu\text{-}\eta^5,\eta^1\text{-}C_4Me_4P)_2ZrCl_2$ (F. Nief, F. Mathey, L. Ricard), (384) 271

$(Lig)Ni^0$ systems, reactions with 1,7-octadiene and phenyl isocyanate of (H. Hoberg, D. Guhl), (384) C43

Rhodium(I) immobilised complexes as catalysts for heterogenic enantioselective hydration reactions (H. Brunner, E. Bielmeier, J. Wiehl), (384) 223

(Thioketene)$Fe_2(CO)_6$, reactions with arsa-chelate ligands of (M. Wiederhold, U. Behrens), (384) 49

Triply-bridging C_6H_4 ligand in open triosmium clusters, attachment of; crystal structures and fluxionality of the clusters $[Os_3(PMe)(C_6H_4)(CO)_8L]$ (L = CO or PEt_3) (A.J. Deeming, J.E. Marshall, D. Nuel, G. O'Brien, N.I. Powell), (384) 347

Platinum

Palladacyclopentadienes and platinacyclopentadienes and co-cyclotrimerization of various alkynes (H. tom Dieck, C. Munz, C. Müller), (384) 243

Rhenium

Dinitrogen, diazenido and derived isocyanide complexes of rhenium with phosphite or phosphonite ligands, syntheses and properties of (M.F.N.N. Carvalho, A.J.L. Pombeiro), (384) 121

Organometallic compounds, design and application of a reflux modification for synthesis using microwave dielectric loss heating effects of (D.R. Baghurst, D.M.P. Mingos), (384) C57

α-Pyridine, quinoline, and isoquinoline complexes of the formula $[(\eta^5\text{-}C_5H_5)Re(NO)(PPh_3)(NC_xH_y)]^+CF_3SO_3^-$, syntheses and structures of (M.A. Dewey, A.M. Arif, J.A. Gladysz), (384) C29

Rhodium

Alkylidynetungsten complexes $[W(\equiv CR)(CO)_2(\eta\text{-}C_5H_5)]$ (R = Me or C_6H_4Me-4), reactions with $[Rh_2(\mu\text{-}SPh)_2(COD)_2]$ of; crystal structure of $[W_2Rh_2(\mu\text{-}CMe)(\mu_3\text{-}CMe)(\mu\text{-}SPh)_2(CO)_4(\eta\text{-}C_5H_5)_2]$ (P.K. Byers, N. Carr, F.G.A. Stone), (384) 315

Dinuclear (M, M′) complexes with $[CH_2(C_5H_4)_2]^{2-}$ as bridging ligands (D. Schneider, H. Werner), (384) C33

Organometallic compounds, design and application of a reflux modification for synthesis using microwave dielectric loss heating effects of (D.R. Baghurst, D.M.P. Mingos), (384) C57

Rhodium(I) immobilised complexes as catalysts for heterogenic enantioselective hydration reactions (H. Brunner, E. Bielmeier, J. Wiehl), (384) 223

Ruthenium

Alkenylruthenium complexes, carbonylation of; formation of alkene or acyl complexes (M.R. Torres, A. Perales, H. Loumrhari, J. Ros), (384) C61

$[H_2Ru_4(CO)_{13}]$, polymorphism and multiple independent molecules in (A.L. Rheingold, B.S. Haggerty, G.L. Geoffroy, S.-H. Han), (384) 209

Organometallic compounds, design and application of a reflux modification for synthesis using microwave dielectric loss heating effects of (D.R. Baghurst, D.M.P. Mingos), (384) C57

$Ru_3(CO)_9B_2H_6$, metal-rich ruthenaborane analogue of pentaborane(9) and model for triruthenium supported unsaturated hydrocarbon (A.K. Chipperfield, C.E. Housecroft, D.M. Matthews), (384) C38

$[Ru_3(\mu\text{-}H)(\mu_3\text{-ampy})(CO)_9]$ and its protonated derivative, selective carbonyl substitution reactions of; crystal structure of $[Ru_3(\mu\text{-}H)_2(\mu_3\text{-ampy})(CO)_9][BF_4]$ (Hampy = 2-amino-6-methylpryidine) (P.L. Andreu, J.A. Cabeza, V. Riera, C. Bois, Y. Jeannin), (384) C25

Selenium

$(C_5H_5)_2Cr(\mu\text{-}OCMe_3)_2$, reactions with chalcogens of; syntheses and molecular structures of $(C_5H_5)_2Cr_2(\mu\text{-}OCMe_3)_2(\mu\text{-}S_4)$ and $(C_5H_5)_2Cr_2(\mu\text{-}OCMe_3)_2(\mu\text{-}Se)$ (S.E. Nefedov, A.A. Pasynskii, I.L. Eremenko, B. Orazsakhatov, V.M. Novotortsev, O.G. Ellert, A.I. Yanovsky, Yu.T. Struchkov), (384) 295

Transition metal coordinated heteroalkenes thio- and seleno-aldehyde complexes, characterisation of intermediate in reaction with bis(diethylamino)acetylene of (H. Fischer, K. Treier, J. Hofmann), (384) 305

Silicon

Allyltrimethylsilane, reactions with acetylcyclopropanes in the presence of Lewis acids of (P. Piras, M. Afshari, G. Léandre, H. Monti), (384) C9

$[(C_5H_5)_2Lu(\mu\text{-}O(CH_2)_4P(C_6H_5)_2)]_2$ and $[(C_5H_5)_2Lu(OC_4H_8)]_2(\mu\text{-}O)$, formation and crystal structures of (H. Schumann, E. Palamidis, J. Loebel), (384) C49

Dialkyl-aluminium and -gallium solution stabilized monomeric species, $[MR_2]^*$ (R = 2-C(SiMe$_3$)C$_5$H$_4$N)], formation by reduction of MR_2Cl of; crystal structure of GaR_2Cl (U. Kynast, B.W. Skelton, A.H. White, M.J. Henderson, C.L. Raston), (384) C1

1-Heteroaryl-silatranes and -germatranes, chemical ionization and fast atom bombardment mass spectra of (S. Rozite, I. Mažeika, A. Gaukhman, N.P. Erchak, L.M. Ignatovich, E. Lukevics), (384) 257

Isomeric Ph_3E–$E'Me_3$, (E = Ge, E′ = Si and E = Si, E′ = Ge), structures of (K.H. Pannell, R.N. Kapoor, R. Raptis, L. Párkányi, V. Fülöp), (384) 41

Organosilanediols, hydrogen-bonding in; crystal structure of bis(pentamethylcyclopentadienyl)silanediol (S.S. Al-Juaid, C. Eaborn, P.B. Hitchcock, P.D. Lickiss, A. Möhrke, P. Jutzi), (384) 33

Silicon-rich trisilyl-arsanes, -stibanes and -bismuthanes, synthesis, IR and Raman spectra of (K. Hassler, S. Seidl), (384) 263

Sulphur

Alkylidynetungsten complexes $[W(\equiv CR)(CO)_2(\eta\text{-}C_5H_5)]$ (R = Me or C_6H_4Me-4), reactions with $[Rh_2(\mu\text{-}SPh)_2(COD)_2]$ of; crystal structure of $[W_2Rh_2(\mu\text{-}CMe)(\mu_3\text{-}CMe)(\mu\text{-}SPh)_2(CO)_4(\eta\text{-}C_5H_5)_2]$ (P.K. Byers, N. Carr, F.G.A. Stone), (384) 315

Carbonyl-molybdenum(0) and -tungsten(0) complexes, reactions with uninegative (S, X)-donor ligands (X = S, N, P) of (A.E. Sánchez-Peláez, M.F. Perpiñán, E. Gutierrez-Puebla, A. Monge, C. Ruiz-Valero), (384) 79

$(C_5H_5)_2Cr(\mu\text{-}OCMe_3)_2$, reactions with chalcogens of; syntheses and molecular structures of $(C_5H_5)_2Cr_2(\mu\text{-}OCMe_3)_2(\mu\text{-}S_4)$ and $(C_5H_5)_2Cr_2(\mu\text{-}OCMe_3)_2(\mu\text{-}Se)$ (S.E. Nefedov, A.A. Pasynskii, I.L. Eremenko, B. Orazsakhatov, V.M. Novotortsev, O.G. Ellert, A.I. Yanovsky, Yu.T. Struchkov), (384) 295

Monoorganomercury and diorganothallium derivatives of 2-thiouracil and 2-*S*-methylthiouracil; crystal structure of methylmercury(II)-2-*S*-methylthiouracilate (M.S.G. Tasende, M.I.S. Gimeno, A. Sánchez, J.S. Casas, J. Sordo, E.E. Castellano), (384) 19

(Thioketene)$Fe_2(CO)_6$, reactions with arsa-chelate ligands of (M. Wiederhold, U. Behrens), (384) 49

Transition metal coordinated heteroalkenes thio- and seleno-aldehyde complexes, characterisation of intermediate in reaction with bis(diethylamino)acetylene of (H. Fischer, K. Treier, J. Hofmann), (384) 305

Tellurium

2-(2-Pyridyl)phenyl(*p*-ethoxyphenyl)tellurium(II), reaction with mercury(II) chloride of (S.A. Mbogo, W.R. McWhinnie, T.S. Lobana), (384) 115

Thallium

Monoorganomercury and diorganothallium derivatives of 2-thiouracil and 2-*S*-methylthiouracil; crystal structure of methylmercury(II)-2-*S*-methylthiouracilate (M.S.G. Tasende, M.I.S. Gimeno, A. Sánchez, J.S. Casas, J. Sordo, E.E. Castellano), (384) 19

Tin

Palladium-catalyzed addition of the tin–germanium bond to allenes, reversal of regioselectivity in (T.N. Mitchell, U. Schneider, B. Fröhling), (384) C53

Titanium

Germoles, synthesis by transmetalation reactions with group 14 metallocyclopentadienes of (P. Dufour, M. Dartiguenave, Y. Dartiguenave, J. Dubac), (384) 61

Magnesium activation of dichlorodi-η_5-cyclopentadienyltitanium in the catalytic hydrogenation of olefins and acetylenes (F. Scott, H.G. Raubenheimer, G. Pretorius, A.M. Hamese), (384) C17

Tungsten

Alkylidynetungsten complexes $[W(\equiv CR)(CO)_2(\eta\text{-}C_5H_5)]$ (R = Me or C_6H_4Me-4), reactions with $[Rh_2(\mu\text{-}SPh)_2(COD)_2]$ of; crystal structure of $[W_2Rh_2(\mu\text{-}CMe)(\mu_3\text{-}CMe)(\mu\text{-}SPh)_2(CO)_4(\eta\text{-}C_5H_5)_2]$ (P.K. Byers, N. Carr, F.G.A. Stone), (384) 315

Carbonyl-molybdenum(0) and -tungsten(0) complexes, reactions with uninegative (S, X)-donor ligands (X = S, N, P) of (A.E. Sánchez-Peláez, M.F. Perpiñán, E. Gutierrez-Puebla, A. Monge, C. Ruiz-Valero), (384) 79

Carbonyltris(alkyne)tungsten complexes, dynamic behaviour in solution of (J. Qkuda, K.H. Zimmermann), (384) C21

Coordinated acetylide and disubstituted alkynes, regiospecific coupling of; X-ray structures of $C_5H_5WOs_2(CO)_7[C(Tol)C(Tol)CC^nBu]$ and $C_5H_5WOs_2(CO)_7[C(CF_3)C(CF_3)CCPh]$ (Y. Chi, G. Huttner, W. Imhof), (384) 93

Transition metal coordinated heteroalkenes thio- and seleno-aldehyde complexes, characterisation of intermediate in reaction with bis(diethylamino)acetylene of (H. Fischer, K. Treier, J. Hofmann), (384) 305

Vanadium

Bis(1,4-difluorobenzene)vanadium, conformation of (M.-D. Su, S-Y. Chu), (384) 71

Zinc

Zinc–oxygen monomeric compounds containing diethylzinc and pyrocatechol or saligenin moieties, synthesis of (W. Kuran, E. Mazanek), (384) 13

Zirconium

Diphosphazirconocene dichloride, $(\eta^5\text{-}C_4Me_4P)_2ZrCl_2$, reactivity of; crystal and molecular structure of $(CO)_3Fe(\mu\text{-}\eta^5,\eta^1\text{-}C_4Me_4P)_2ZrCl_2$ (F. Nief, F. Mathey, L. Ricard), (384) 271

Germoles, synthesis by transmetalation reactions with group 14 metallocyclopentadienes of (P. Dufour, M. Dartiguenave, Y. Dartiguenave, J. Dubac), (384) 61

Book reviews

The chemistry of organic silicon compounds, parts 1 and 2; edited by S. Patai and Z. Rappoport (P.D. Lickiss), (384) C65